

ASNR Journal Search

A selection of recent papers in the area of neurorehabilitation, not meant to be comprehensive, and not including the contents of *Neurorehabilitation and Neural Repair*. If you have suggestions for the next issue, please e-mail them to pnarayanan@som.umaryland.edu. Thanks!

November 16 – December 15, 2009

- 1) Yelnik AP, Simon O, Bensmail D, Chaleat-Valayer E, Decq P, Dehail P, Quentin V, Marque P, Parratte B, Pellas F, Rousseaux M, Trocetto JM, Uzzan M, Dumarçet N. (2009) Drug treatments for spasticity. *Ann Phys Rehabil Med*. 2009 Dec;52(10):746-56. Epub 2009 Nov 4.
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- 2) Mudge S, Barber PA, Stott NS. (2009) Circuit-based rehabilitation improves gait endurance but not usual walking activity in chronic stroke: a randomized controlled trial. *Arch Phys Med Rehabil*. 2009 Dec; 90(12):1989-96.
[http://www.archives-pmr.org/article/S0003-9993\(09\)00680-7/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00680-7/abstract)
- 3) Breier JJ, Juranek J, Maher LM, Schmadeke S, Men D, Papanicolaou AC. (2009) Behavioral and neurophysiologic response to therapy for chronic aphasia. *Arch Phys Med Rehabil*. 2009 Dec;90(12):2026-33.
[http://www.archives-pmr.org/article/S0003-9993\(09\)00735-7/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00735-7/abstract)
- 4) Crotty M, George S. (2009) Retraining visual processing skills to improve driving ability after stroke. *Arch Phys Med Rehabil*. 2009 Dec;90(12):2096-102.
[http://www.archives-pmr.org/article/S0003-9993\(09\)00732-1/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00732-1/abstract)
- 5) Smith PS, Dinse HR, Kalisch T, Johnson M, Walker-Batson D. (2009) Effects of repetitive electrical stimulation to treat sensory loss in persons poststroke. *Arch Phys Med Rehabil*. 2009 Dec;90(12):2108-11.
[http://www.archives-pmr.org/article/S0003-9993\(09\)00686-8/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00686-8/abstract)
- 6) Brouwer B, Parvataneni K, Olney SJ. (2009) A comparison of gait biomechanics and metabolic requirements of overground and treadmill walking in people with stroke. *Clin Biomech (Bristol, Avon)*. 2009 Nov;24(9):729-34. Epub 2009 Aug 6.
[http://www.clinbiomech.com/article/S0268-0033\(09\)00163-6/abstract](http://www.clinbiomech.com/article/S0268-0033(09)00163-6/abstract)
- 7) Cheung VC, Piron L, Agostini M, Silvoni S, Turolla A, Bizzi E. (2009) Stability of muscle synergies for voluntary actions after cortical stroke in humans. *Proc Natl Acad Sci U S A*. 2009 Nov 17;106(46):19563-8. Epub 2009 Oct 30.

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- 8) Ming D, Bai Y, Liu X, Qi H, Cheng L, Wan B, Hu Y, Wong Y, Luk KD, Leong JC. (2009) A gait stability investigation into FES-assisted paraplegic walking based on the walker tipping index. J Neural Eng. 2009 Dec;6(6):66007. Epub 2009 Nov 17. <http://www.iop.org/EJ/abstract/1741-2552/6/6/066007>
- 9) Musienko P, van den Brand R, Maerzendorfer O, Larmagnac A, Courtine G. (2009) Combinatory electrical and pharmacological neuroprosthetic interfaces to regain motor function after spinal cord injury. IEEE Trans Biomed Eng. 2009 Nov;56(11 Pt 2):2707-11. Epub 2009 Jul 24. http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?isnumber=5297567&arnumber=5173579&count=17&index=6
- 10) Guertin PA. (2009) Monoaminergic and catecholaminergic activation of the central pattern generator for locomotion following spinal cord injury: Innovative therapeutic approaches. Neural Regeneration Research 2009;4(10):796-800. http://www.crter.cn/Html/2009_10_13/2025_9756_2009_10_13_68804.html
- 11) Sasaki M, Radtke C, Tan AM, Zhao P, Hamada H, Houkin K, Honmou O, Kocsis JD. (2009) BDNF-hypersecreting human mesenchymal stem cells promote functional recovery, axonal sprouting, and protection of corticospinal neurons after spinal cord injury. J Neurosci. 2009 Nov 25;29(47):14932-41. <http://www.jneurosci.org/cgi/content/abstract/29/47/14932>
- 12) Arbour-Nicitopoulos KP, Ginis KA, Latimer AE. (2009) Planning, leisure-time physical activity, and coping self-efficacy in persons with spinal cord injury: a randomized controlled trial. Arch Phys Med Rehabil. 2009 Dec;90(12):2003-11. [http://www.archives-pmr.org/article/S0003-9993\(09\)00673-X/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00673-X/abstract)
- 13) Oh MJ, Seo TB, Kwon KB, Yoon SJ, Elzi DJ, Kim BG, Namgung U. (2009) Axonal outgrowth and Erk1/2 activation by training after spinal cord injury in rats. J Neurotrauma. 2009 Nov;26(11):2071-82. <http://www.liebertonline.com/doi/abs/10.1089/neu.2008-0800>
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- 15) Vargus-Adams JN, Martin LK. (2009) Measuring what matters in cerebral palsy: a breadth of important domains and outcome measures. Arch Phys Med Rehabil. 2009 Dec;90(12):2089-95. [http://www.archives-pmr.org/article/S0003-9993\(09\)00672-8/abstract](http://www.archives-pmr.org/article/S0003-9993(09)00672-8/abstract)

- 16) Jenkins ME, Almeida QJ, Spaulding SJ, van Oostveen RB, Holmes JD, Johnson AM, Perry SD. (2009) Plantar cutaneous sensory stimulation improves single-limb support time, and EMG activation patterns among individuals with Parkinson's disease. *Parkinsonism Relat Disord*. 2009 Nov;15(9):697-702. Epub 2009 May 20.
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- 18) Schlaug G, Marchina S, Norton A. Evidence for Plasticity in White-Matter Tracts of Patients with Chronic Broca's Aphasia Undergoing Intense Intonation-based Speech Therapy. *Ann NY Acad Sci* 2009;1169:385-394
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